Listing of Claims

1-11. (canceled)

12. (currently amended) A compound of the formula (VI)

$$R^1$$
 Q
 R^3
 R^3
 R^4
 R^4
 R^4
 R^4
 R^4

wherein:

R¹ is hydrocarbyl or substituted hydrocarbyl, R² is hydrogen, hydrocarbyl or substituted hydrocarbyl, and R³ is hydrogen, hydrocarbyl, substituted hydrocarbyl or a functional group, provided that R¹ and R² taken together may be ortho-arylene or substituted ortho-arylene, or R¹, R² and R³ taken together may form one or more rings;

Z is a bridging group of the formula (II), (III) or (IV)

$$R^{20}$$
 R^{6}
 R^{10}
 R^{12}
 R^{12}
 R^{13}
 R^{22}
 R^{22}
 R^{11}
 R^{12}
 R^{13}
 R^{14}
 R^{15}
 R^{15}
 R^{15}
 R^{10}
 R^{12}
 R^{13}

Q is nitrogen, oxygen, phosphorous or sulfur, provided that when Z is (II), Q is oxygen;

R⁴ is hydrogen, hydrocarbyl or substituted hydrocarbyl, provided that when Q is oxygen or sulfur R⁴ is not present;

R⁶ is hydrogen, hydrocarbyl or substituted hydrocarbyl, provided that R³ and R⁶ taken together may form a ring;

R⁷ is hydrogen, hydrocarbyl or substituted hydrocarbyl, provided that R³, R⁶ and R⁷ taken together may form an aromatic ring, or R⁶ and R⁷ taken together may form a ring;

R⁸ is hydrogen, hydrocarbyl or substituted hydrocarbyl;

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R⁹ is hydrogen, hydrocarbyl or substituted hydrocarbyl, provided that R⁴ and R⁹ taken together may be part of a double bond to an imino nitrogen atom, or R⁸ and R⁹ taken together may form a carbonyl with the carbon to which they are attached, or R⁸ and R⁹ taken together may form a ring, or R⁴ and R⁹ taken together may form a ring, or R⁶, R⁷, R⁸ and R⁹ taken together may form an aromatic ring;

R¹⁰, R¹¹, R¹² and R¹³ are each independently hydrogen, hydrocarbyl or substituted hydrocarbyl, provided that R¹⁰, R¹¹, R¹² and R¹³ taken together may be ortho-arylene;

R¹⁴ and R¹⁵ are each independently hydrogen, hydrocarbyl or substituted hydrocarbyl, provided that R¹⁴ and R¹⁵ taken together may form a carbonyl with the carbon to which they are attached, or R¹², R¹³, R¹⁴, and R¹⁵ taken together may form an o-arylene group, or R¹⁰, R¹¹, R¹², R¹³, R¹⁴, and R¹⁵ taken together may form a fused aromatic ring system, or R¹³ and R¹⁴ taken together may form a ring;

R²⁰ and R²¹ are each independently hydrogen, hydrocarbyl or substituted hydrocarbyl, or R²⁰ and R²¹ taken together may form a ring;

each R²² is individually hydrocarbyl, oxygen or alkoxy, provided that when R²² is oxygen, two of R²² are taken together to form T=O;

n is an integer of 1 or more;

T is phosphorous or sulfur whose oxidation state is 3 or greater;

x is equal to the oxidation state of T minus 2;

M is $\mp i$, Zr, Hf, \forall , Mn or Cr;

m is an integer equal to the valence of M minus 2; and

p is 0 or 1; and

each L^3 is independently a monodentate monoanionic ligand, and L^4 is a monodentate neutral ligand or an empty coordination site, provided that an L^3 and L^4 taken together may be a monoanionic bidentate ligand.

13. (currently amended) The compound as recited in claim 12, wherein M is selected from the group consisting of Zr and Ti.

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- 14. (original) The compound as recited in claim 12, wherein R^1 and R^2 taken together are o-arylene, Z is a group of the formula (III), Q is oxygen, and R^6 , R^7 , R^8 and R^9 taken together form an aromatic ring.
- 15. (original) The compound as recited in claim 12, wherein (VI) has the formula

$$R^{25}$$
 R^{26}
 R^{27}
 R^{28}
 R^{29}
 R^{30}
 R^{30}

wherein R²⁴, R²⁵, R²⁶, R²⁷, R²⁹, R³⁰, R³¹ and R³² are each independently hydrogen, hydrocarbyl, substituted hydrocarbyl or a functional group, and R²⁸ is hydrogen, hydrocarbyl, or substituted hydrocarbyl, provided that any two of R²⁴, R²⁵, R²⁶, R²⁷, R²⁹, R³⁰, R³¹ and R³² vicinal to one another may be taken together to form a ring, and that R²⁷ and R²⁸ may be taken together to form a ring. 16-20. (canceled)